

8. A method for determining the presence of *Mycobacterium* in a sample, comprising:

- (A) obtaining a sample from the environment;
- (B) treating the sample with sodium dodecyl sulfate containing glycine hydrochloride;
- (C) plating the sample treated with sodium dodecyl sulfate containing glycine hydrochloride onto a growing medium;
- (D) incubating a plated sample for an incubation period; and
- (E) after the incubation period, inspecting one or more bacterial growth colonies to determine the presence of *Mycobacterium* in the environment.

9. The method of claim **8** wherein the growth medium comprising agar, one or more amino acid and nitrogenous supplementation elements, one or more trace elements and vitamins, one or more carbon sources, one or more neutralizing agents, and crystal violet, wherein the crystal violet is in an amount in excess of 0.5 µg/ml.

10. The method of claim **8** wherein the crystal violet is in an amount in excess of 1.0 µg/ml.

11. The method of claim **8** wherein the crystal violet is in an amount in excess of 2.0 µg/ml.

12. The method of claim **8** wherein the crystal violet is in an amount of 0.5-5.0 µg/ml.

13. The method of claim **8** comprising treating the sample with sodium dodecyl sulfate containing glycine hydrochloride prior to plating.

14. The method of claim **8** wherein the growth medium comprises combinations of proteose peptone, casamino acids, yeast extract, dextrose, soluble starch, dipotassium phosphate, magnesium sulfate, and sodium pyruvate.

15. The method of claim **8** comprising treating the sample with sodium dodecyl sulfate containing glycine hydrochloride for at least 4 minutes at room temperature.

16. A growth medium for the growth of *Mycobacterium*, the growth medium comprising agar, one or more amino acid and nitrogenous supplementation elements, one or more trace elements and vitamins, one or more carbon sources, one or more neutralizing agents and crystal violet for differentiating non-*Mycobacterium* from *Mycobacterium*, wherein the crystal violet is in an amount in excess of 0.5 µg/ml.

17. The growth medium of claim **16** wherein the crystal violet is in an amount in excess of 1.0 µg/ml.

18. The growth medium of claim **16** wherein the crystal violet is in an amount in excess of 2.0 µg/ml.

19. The growth medium of claim **16** wherein the crystal violet is in an amount of 0.5-5.0 µg/ml.

20. The growth medium of claim **16** comprising proteose peptone, casamino acids, yeast extract, dextrose, soluble starch, dipotassium phosphate, magnesium sulfate, and sodium pyruvate.

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